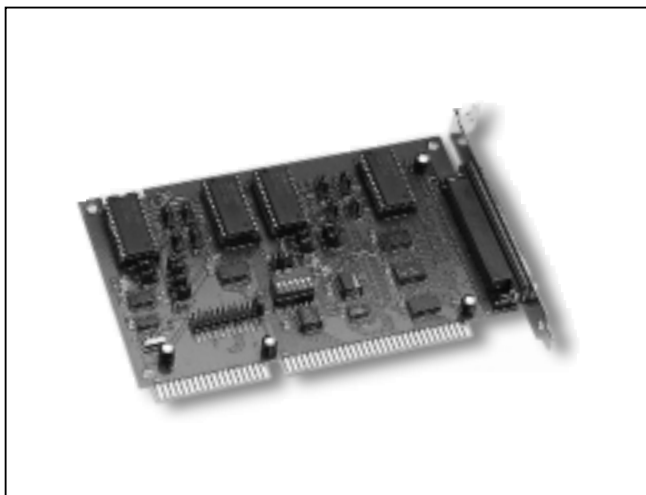# TMC-10
10 Channel Timer/Counter Board

Storage Temperature: -20°C to 70°C
Humidity: 0 to 90%
Dimensions: 121mm x 106mm

Applications
- Event Counting
- Programmable frequency synthesis
- Frequency Counter
- Time-delay generation
- Industrial Automation

Software
- TMC-10 Development Toolkit for DOS
- TMC-10 Development Toolkit for Win95
- TMC-10 Development Toolkit for WinNT

Order Description
- TMC-10: 10 Channel Timer/Counter Board

Options
- DB-37: Directly connect signal to the back of TMC-10
- DN-37: I/O connector block with DIN Rail Mounting and 37 Pin D-Sub Connector
- TMC-10 LabVIEW Development Toolkit for Win95
- TMC-10 LabVIEW Development Toolkit for WinNT

Functional Description
The TMC-10 is a general purpose timer/ counter and digital I/O Board. It provides eight 16-bit Timer /Counter channels, two cascaded 32-bit Timer/ Counter channels, 8 bit digital output and two internal clock sources (8 M/1.6M; 0.8M/80K) which are jumper selectable. Four 8254 chips provides variety of powerful timer/counter function modes to match your industrial and laboratory applications.

Features
- On board four 8254 timer/counter chips
- Eight independent 16-bit timer/counter and two cascaded 32 bit time /counter
- 11 interrupt levels, jumper selectable
- Two internal clock source
- Eight channel external clock source.
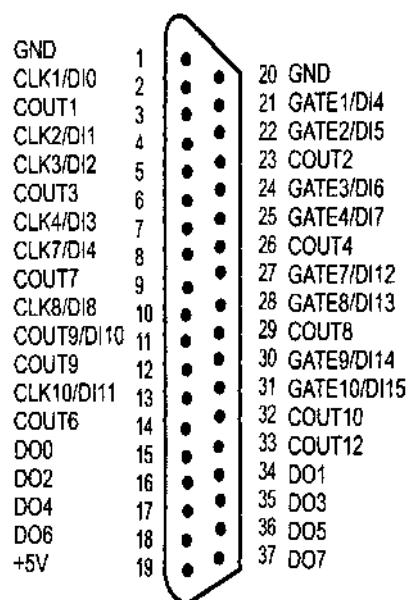- 8-lines digital output

Specifications
- Logic inputs and output
  Input logic high voltage: 2.0V(Min)/5.0V(Max)
  Input logic low voltage: -0.5V(Min)/0.8V(Max)
- Input load current: -0.45mA(Min)/+70μA
- Output sink current: +64mA(Max)
- Output source current: -15mA
- All outputs and inputs are TTL Compatible
- Power consumption: +5V @ 500mA
- Environment:
  Operating Temperature: 0 to 50°C

GND	1		20	GND
CLK1/DI0	2		21	GATE1/DI4
COUT1	3		22	GATE2/DI5
CLK2/DI1	4		23	COUT2
CLK3/DI2	5		24	GATE3/DI6
COUT3	6		25	GATE4/DI7
CLK4/DI3	7		26	COUT4
CLK7/DI4	8		27	GATE7/DI12
COUT7	9		28	GATE8/DI13
CLK8/DI8	10		29	COUT8
COUT9/DI10	11		30	GATE9/DI14
COUT9	12		31	GATE10/DI15
CLK10/DI11	13		32	COUT10
COUT6	14		33	COUT12
DO0	15		34	DO1
DO2	16		35	DO3
DO4	17		36	DO5
DO6	18		37	DO7
+5V	19			